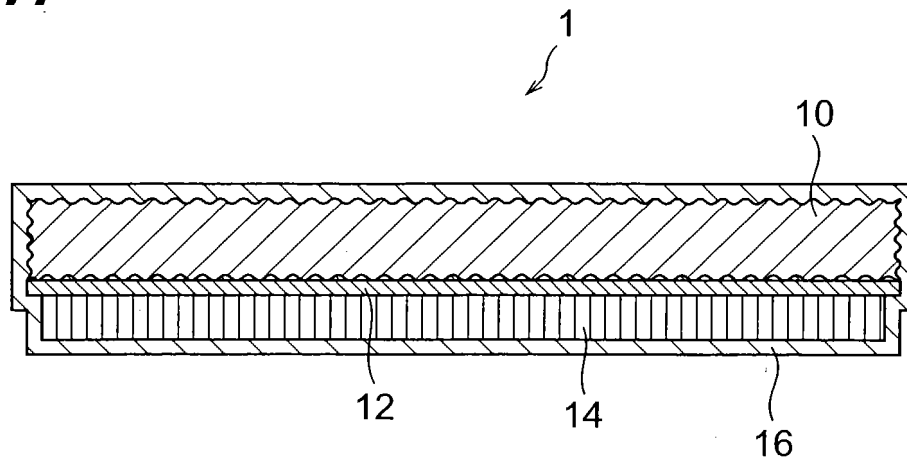
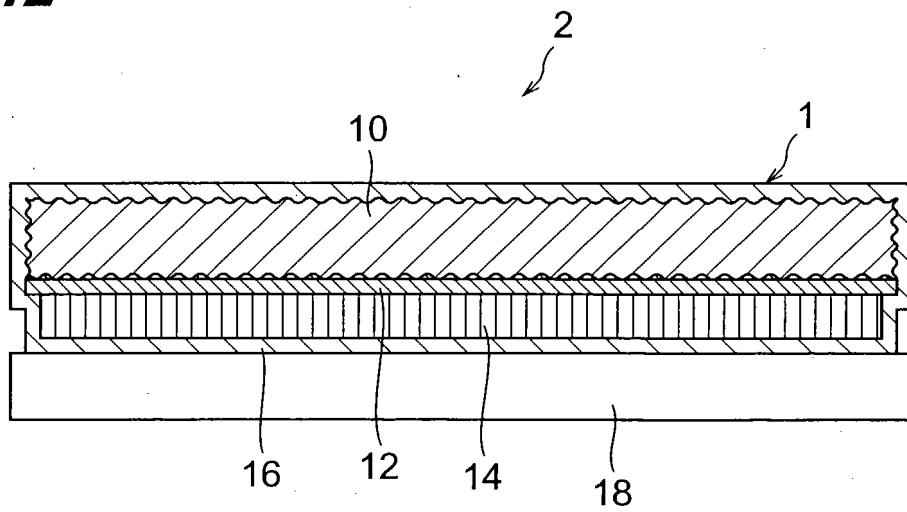


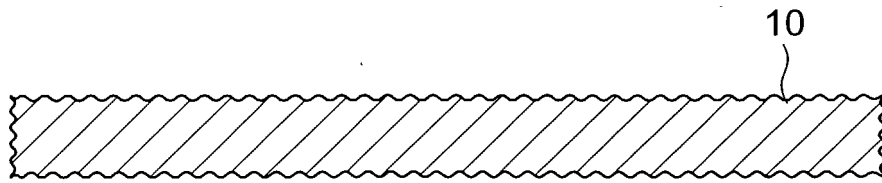
**Fig. 1**



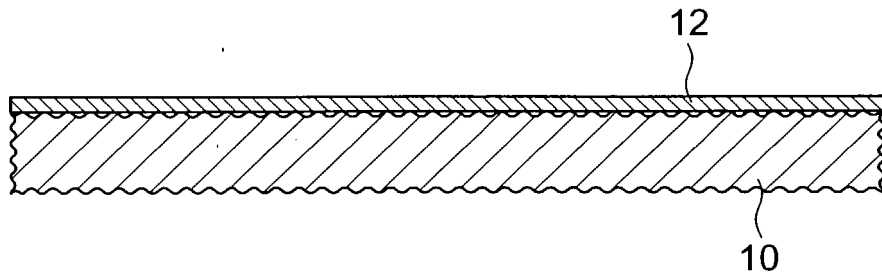
**Fig. 2**



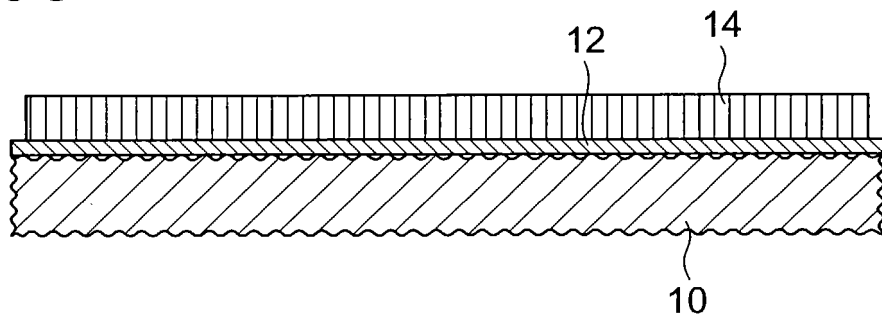
**Fig. 3A**



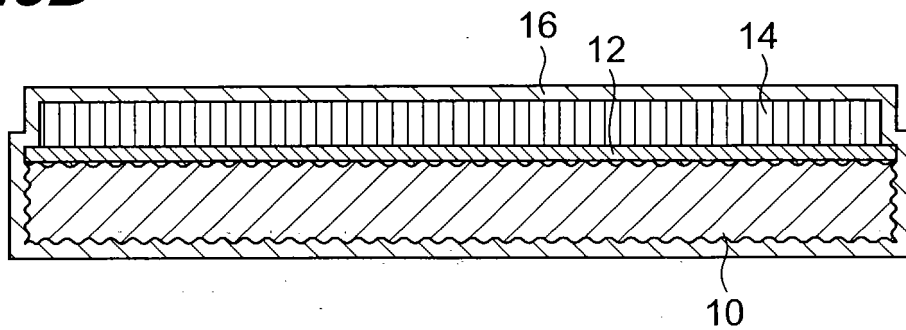
**Fig. 3B**



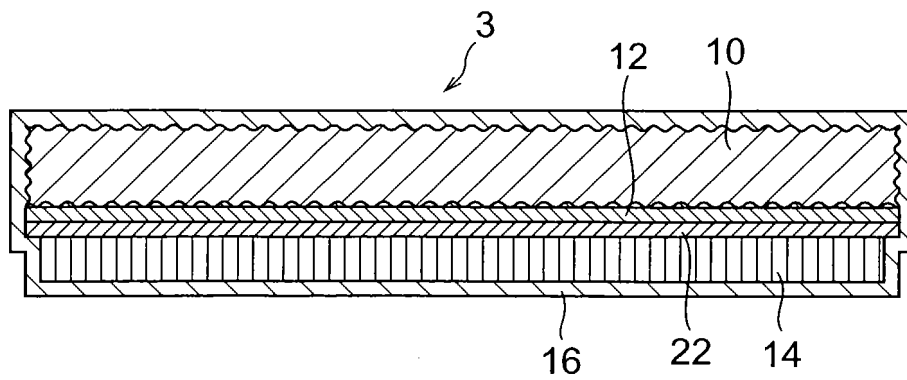
**Fig. 3C**



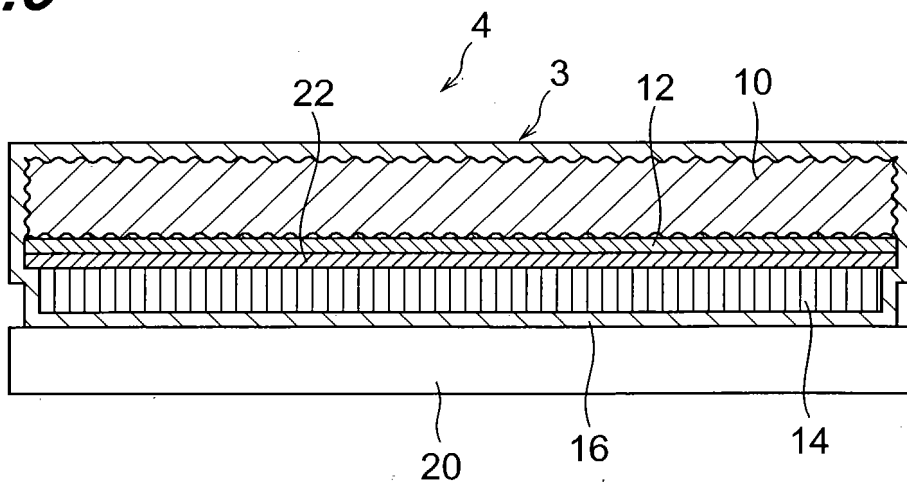
**Fig. 3D**



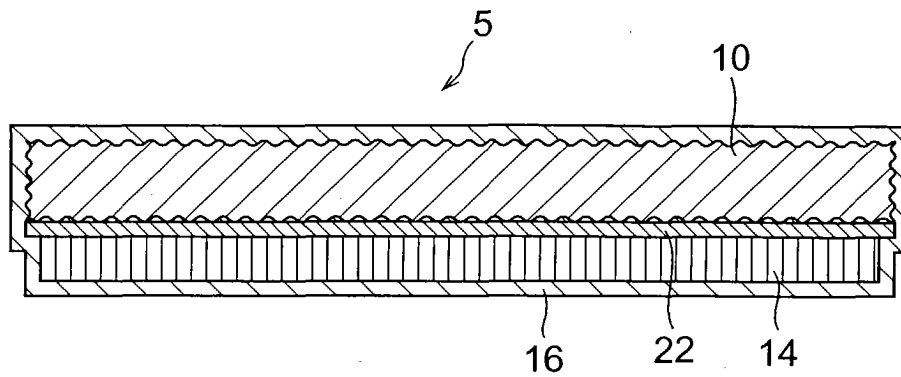
**Fig.4**



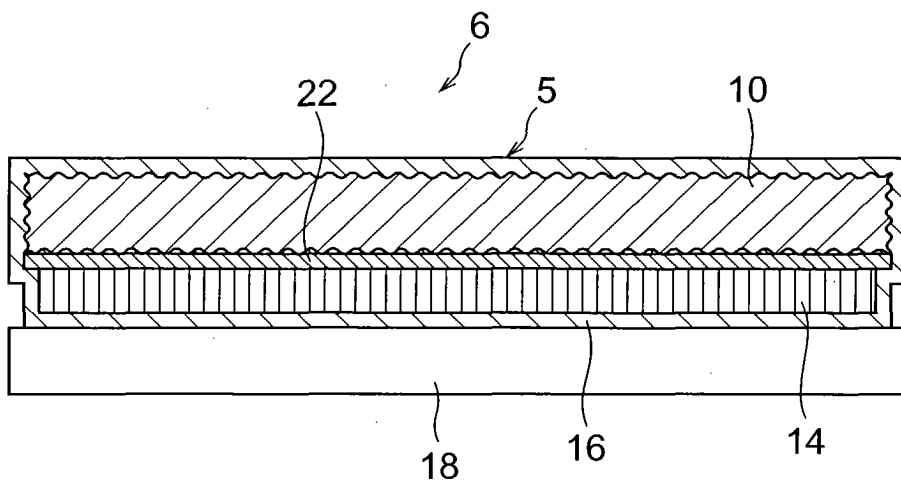
**Fig.5**



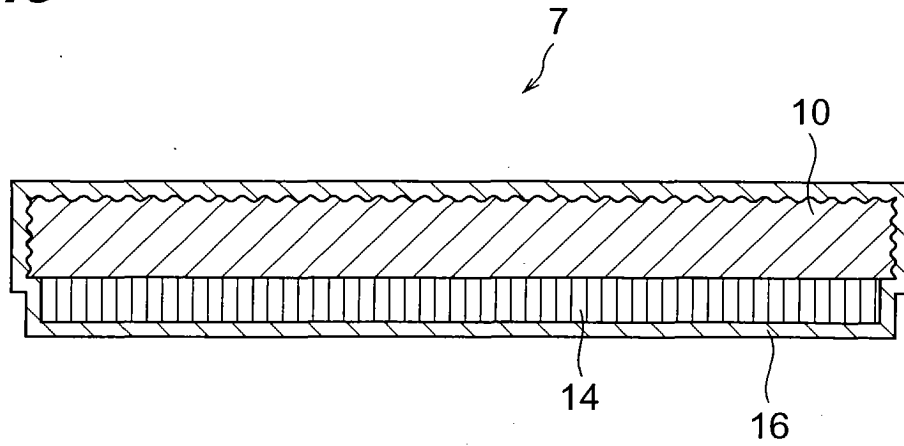
**Fig.6**



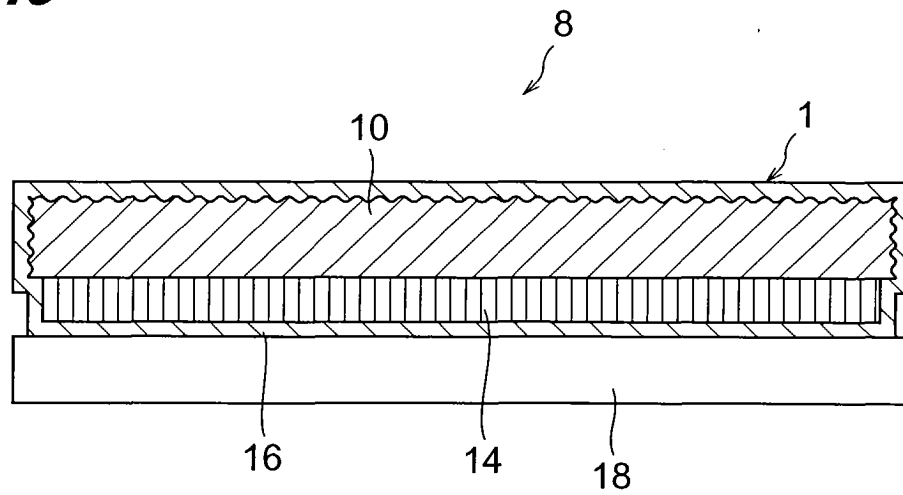
**Fig.7**



**Fig. 8**

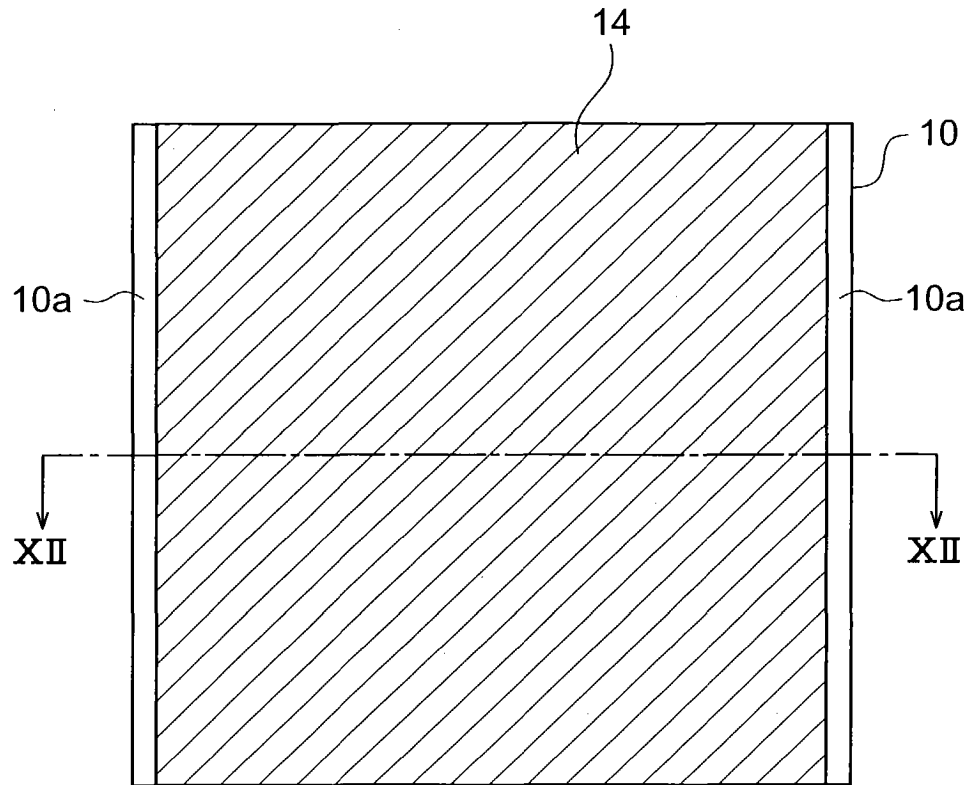
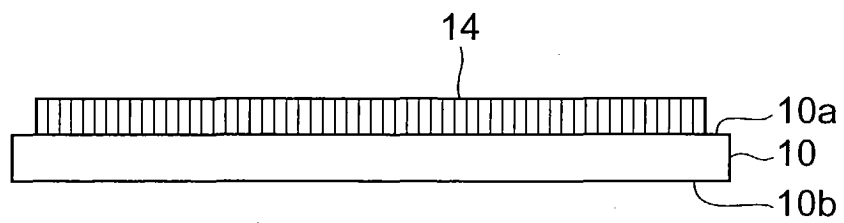


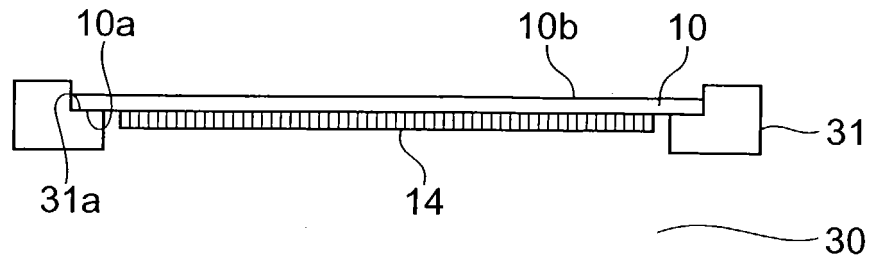
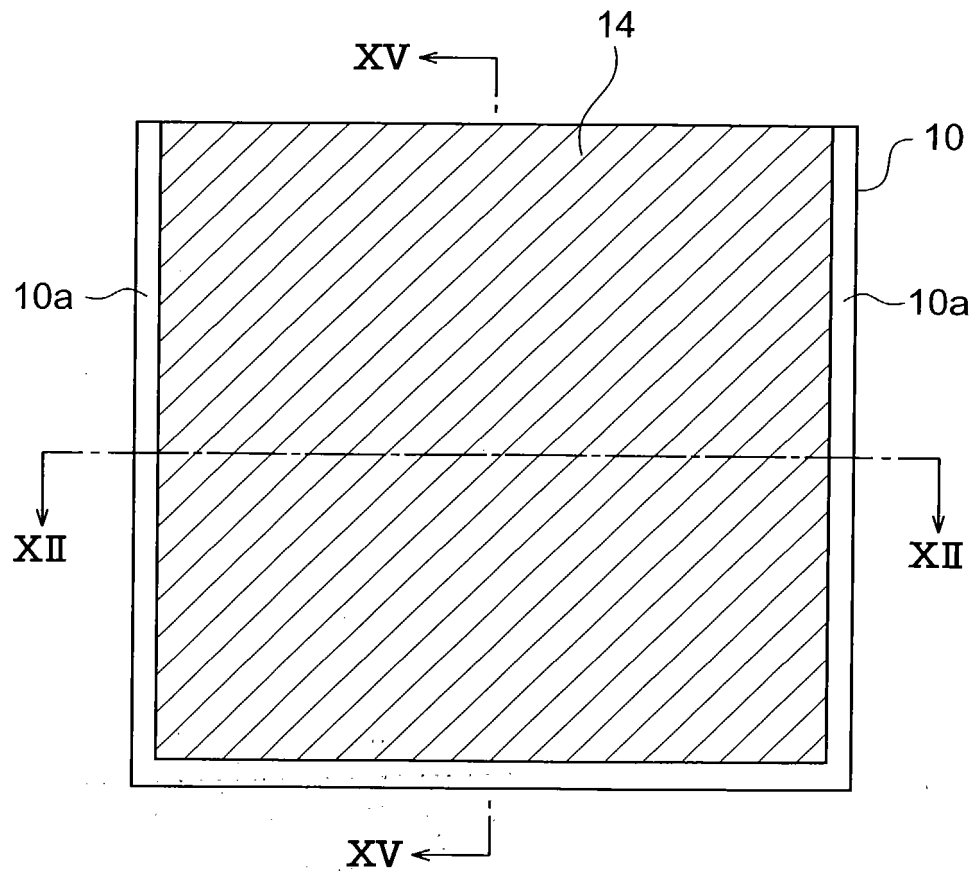
**Fig. 9**



**Fig. 10**

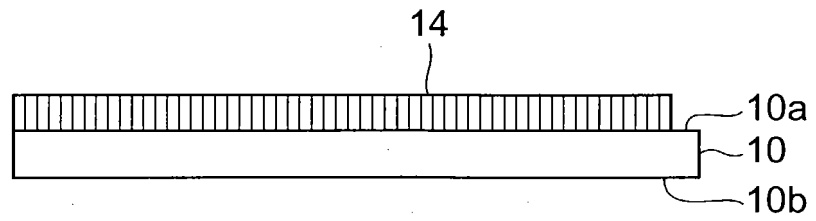
|                   | TUBE VOLTAGE Kv                     | INDUSTRIAL HALF-WAVE<br>RECTIFYING X-RAY TUBE |      |      |
|-------------------|-------------------------------------|---|------|------|
|                   |                                     | 40  | 50   | 60   |
| PRIOR ART         | SUBSTRATE=Al 1mm                    | 100%  | 100% | 100% |
| FIRST EMBODIMENT  | SUBSTRATE=a-C 1mm +Al FILM          | 260%  | 230% | 220% |
| SECOND EMBODIMENT | SUBSTRATE=a-C 1mm +Al FILM+LiF FILM | 300%  | 270% | 260% |
| THIRD EMBODIMENT  | SUBSTRATE=a-C 1mm +LiF FILM         | 220%  | 200% | 190% |
| FOURTH EMBODIMENT | SUBSTRATE=a-C 1mm                   | 150%  | 135% | 130% |

**Fig. 11****Fig. 12**

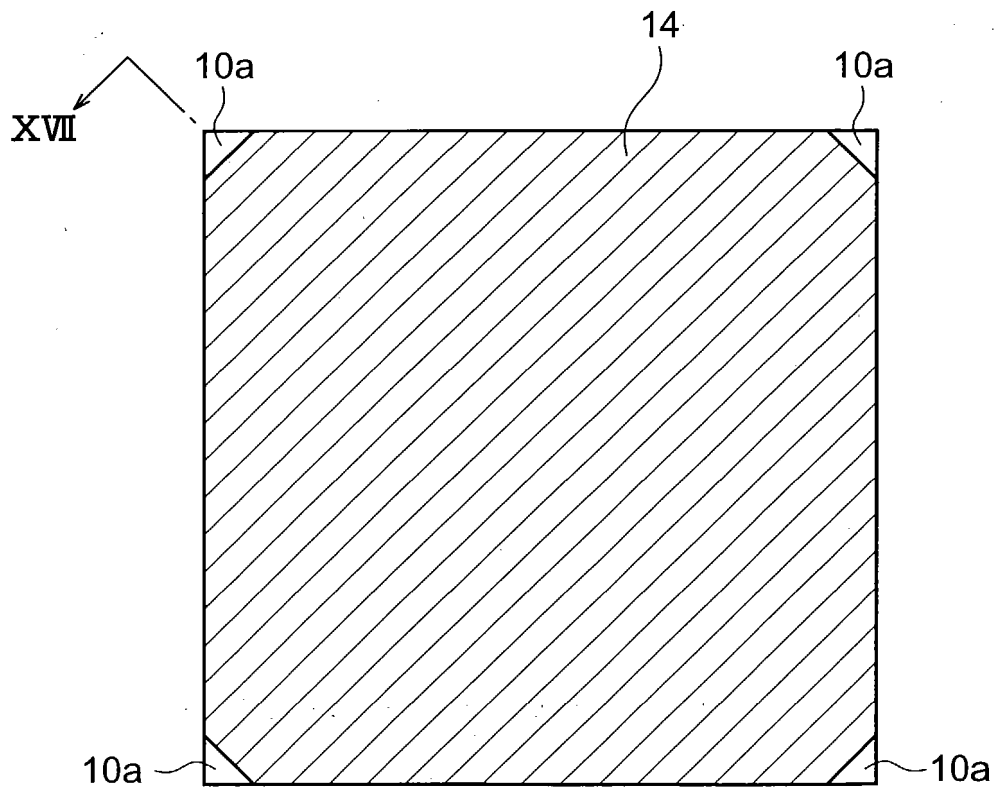
**Fig. 13****Fig. 14**



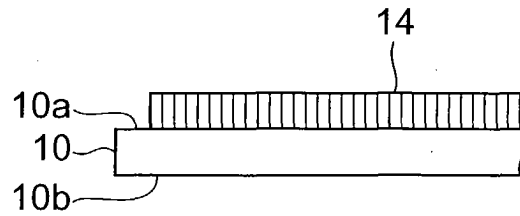
**Fig. 15**



**Fig. 16**



**Fig. 17**



**Fig. 18**

